Exercise Week3

1. Leap Year or Common Year

   Following rules are used to check if a A.D. year is a leap year or not.

   - The year can be divided by 400 exactly.
   - The year can be divided by 4 exactly and cannot be divided by 100 exactly.

Please write a C++ program to check if the integer inputted by user.

1. A four digits number (assuming all inputs are positive integers)
   a. If not, please end the program immediately with a warning message “Wrong input!”
2. Is it a leap year?

```
%%shell

g++ W3solution.cpp -o W3solution
./W3solution
```

```
Input a four digits AD year: 178
Wrong input!
```

```
%%shell

g++ W3solution.cpp -o W3solution
./W3solution
```

```
Input a four digits AD year: 1200
Leap year
```

```
%%shell

g++ W3solution.cpp -o W3solution
./W3solution
```

```
Input a four digits AD year: 1100
Common year
```

```
%%shell

g++ W3solution.cpp -o W3solution
./W3solution
```

```
Input a four digits AD year: 1612
Leap year
```

Please name your .ipynb file as YourID_Week3.ipynb and upload it to moodle system.
(ex. H3700001_Week3.ipynb)